

ELECTRONIC INSERTION/EXTRACTION CYCLE COUNTER AND LOGGER  
DEVICE

ABSTRACT OF THE DISCLOSURE

5           A monitoring system monitors wear of a connector by counting insertions or  
extractions between circuit boards. The monitoring system includes a sensor that senses  
insertions or extractions through contact or non-contact sensing. The monitoring  
system also includes a monitor connected to the sensor to monitor insertions or  
extractions and, optionally, store data in memory and generate an alarm signal if a  
10   predetermined threshold has been exceeded. The monitoring system may be positioned  
at any location in an electronic system and may be configured such that the sensor  
connects to the monitor directly, indirectly, or over a network.